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Notice of Allowability	Application No.	Applicant(s)	
	09/668,243	LU ET AL.	
	Examiner	Art Unit	
	Anh-Vu H. Ly	2667	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to an appeal brief filed July 15, 2005.
2. ☒ The allowed claim(s) is/are 1, 3-13, 15-18, 20-21, 23-29, and 31-32 renumbered as 1-27 respectively.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Kevin M. Mason on September 28, 2005.

The application has been amended as follows:

In The Claims

1. (Currently Amended) A method for processing multimedia data in a Radio Link Protocol (RLP) layer of a wireless packet network, said method comprising the steps of:

processing said multimedia to determine if said multimedia data is properly received; ~~and~~

forwarding erasure data frames with said multimedia data to a Point-to-Point Protocol

(PPP) layer; and

forwarding a location indicator of said erasure data frames to said PPP layer.

2. (Canceled).

7. (Currently Amended) A method for processing multimedia in a Point-to-Point Protocol (PPP) layer of a wireless packet network, said method comprising the steps of:

receiving erasure data frames with said multimedia data from a Radio Link Protocol

(RLP) layer; ~~and~~

replacing said erasure data frames with a predefined binary value; and

forwarding a packet payload to a higher layer if a valid header is received even if said packet payload is not properly received.

14. (Canceled).

16. (Currently Amended) A method for processing multimedia data in a receiver of a wireless packet network, said receiver conforming to an open system interconnection (OSI) model, said OSI model having a plurality of layers including a Radio Link Protocol (RLP) layer, a set of interface layers and a User Datagram Protocol (UDP) layer, said method comprising the steps of:

processing said multimedia data to determine if said multimedia data is properly received; and

communicating error information between said RLP and UDP layers, wherein said RLP layer forwards an indication of a location of erasure data to said UDP layer.

19. (Canceled).

20. (Currently Amended) The method of claim [19] 16, further comprising the step of updating the location of said erasure data and forwarding it to said UDP layer.

21. (Currently Amended) A system for processing multimedia data in a Radio Link Protocol (RLP) layer of a wireless packet network, said system comprising:

a memory for storing computer readable code; and

a processor operatively coupled to said memory, said processor configured to:

process said multimedia data to determine if said multimedia data is properly received;

and

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forward erasure data frames with said multimedia data to a Point-to-Point Protocol (PPP) layer; and

forward a location indicator of said erasure data frames to said PPP layer.

22. (Canceled).

23. (Currently Amended) A system for processing multimedia data in a Point-to-Point (PPP) layer of a wireless packet network, said system comprising:

a memory for storing computer readable code; and

a processor operatively coupled to said memory, said processor configured to:

receiving erasure data frames with said multimedia data from a Radio Link Protocol

(RLP) layer; and

replacing said erasure data frames with a predefined binary value; and

forwarding a packet payload to a higher layer if a valid header is received even if said packet payload is not properly received.

30. (Canceled).

31. (Currently Amended) A system for processing multimedia data in a receiver of a wireless packet network, said receiver conforming to an open system interconnection (OSI) model, said OSI model having a plurality of layers including a Radio Link Protocol (RLP) layer, a set of interface layers and a User Datagram Protocol (UDP) layer, said system comprising:

a memory for storing computer readable code; and

a processor operatively coupled to said memory, said processor configured to:

processing said multimedia data to determine if said multimedia data is properly received; and

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communicating error information between said RLP and UDP layers, wherein said RLP layer forwards an indication of a location of erasure data to said UDP layer.

33. (Canceled).

Allowable Subject Matter

2. Claims 1, 3-13, 15-18, 20-21, 23-29, and 31-32 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art does not teach or fairly suggest forwarding a location indicator of said erasure data frames to said PPP layer from the RLP layer of a wireless packet network, as specified in independent claims 1 and 21.

The prior art does not teach or fairly suggest forwarding a packet payload to a higher layer, by the PPP layer of a wireless packet network, if a valid header is received even if said packet payload is not properly received, as specified in the independent claims 7 and 23.

The prior art does not teach or fairly suggest wherein said RLP layer of a wireless packet network forwards an indication of a location of erasure data to said UDP layer, as specified in independent claims 16 and 31.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Fong et al (US Patent No. 6,931,569 B2) discloses dual protocol layer automatic retransmission request scheme for wireless air interface.


Rathonyi et al (US Patent No. 6,532,211 B1) discloses communication device and method for specifying different reliability levels.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anh-Vu H. Ly whose telephone number is 571-272-3175. The examiner can normally be reached on Monday-Friday 7:00am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on 571-272-3179. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

avl


CHI PHAM
SUPERVISORY PATENT EXAMINER
ELECTRONIC BUSINESS CENTER 9/30/05